Year 11 H	**Unit 14**	**Unit 15**	**Unit 16**	**Unit 17**	**Unit 18**
Topic/Theme/ Focus	In this unit students will further develop their understanding of inequalities and equations. They will cover fundamental knowledge such as: Find the roots of quadratic functions algebraically using factorisation. Rearrange and solve quadratic equations by factorising including with coefficients of x squared equal to 1. Complete the square for a quadratic expression with coefficients of x squared of 1. Sketch graphs of quadratic functions, identifying the roots.	In this unit students will further develop their understanding of statistics. They will learn skills such as: Draw and interpret box plots and cumulative frequency tables and diagrams. Draw and interpret histograms.	In this unit students will further develop their understanding of algebra. They will learn new skills such as: Simplifying algebraic fractions. Solving linear and quadratics equations involving algebraic fractions. Simplifying more complex expressions involving surds. Working with functions. Algebraic proof.	In this unit students will be introduced to vectors. They will learn new skills such as: Understand and use vector notation. Calculate using vectors and represent the solutions graphically. Solve geometric problems in two dimensions using vector methods.	In this unit students will be introduced to circle theorems. They will learn new skills such as: Apply circle theorems involving: chords and radii; angles in semi circles; angles subtended at the centre and the circumference of circles; tangents to circles; cyclic quadrilaterals; alternate segments.
Corbett Maths Videos	118-120, 265-267, 371, 378	149-150, 153-154, 157-159	21-24. 307-308, 365	353, 353a	64-65f
Key vocabulary	Inequality, roots, turning points, factorise, expand, parabola	Median, quartiles, frequency density	Quadratic, factor, rationalise denominator, proof	Vector, scalar, collinear, magnitude, displacement	Tangent, radii, segment, cyclic, theorem, alternate segment

Year 11 H	**Unit 19**	**Unit 20**
Topic/Theme/ Focus	In this unit students will further develop their understanding of proportion and graphs. They will learn new skills such as: Solve more formal problems involving quantities in direct and inverse proportion. Transformations of graphs, including translations, reflections and stretch.	In this unit students will be introduced to advanced trigonometry. They will learn new skills such as: Using and applying the sine rule and cosine rule. Solving problems in 3-dinemsions using Pythagoras' theorem and trigonometry. Drawing and transforming the graphs of trigonometric functions.
Corbett Maths Videos	254-255, 323, 345	333, 334-340, 324
Key vocabulary	Inequality, Generate, linear, common difference, term	Quadratic, factorise, expand, parabola.